

Geology 410/510
Spring 2010
Final

Name _____

These two problems are due in class on June 2 (the last day of class).
This final will be worth one fourth of your final grade.

1. This problem deals with western U.S. deformation over the course of the last few million years or so (what we have been calling “current-day”).
 - a. Describe the basic *form* of western U.S. deformation. You can use several figures, but use no more than 200 words.
 - b. Describe the basic *causes* of western U.S. deformation. You can use several figures, but use no more than 400 words.
2. Of the following five time intervals, choose **two** to turn in.

Precambrian	(including the rift and post-rift subsidence)
Paleozoic	(not including the rift and post-rift subsidence)
Mesozoic	(not including the Laramide)
Cenozoic	(including the Laramide)

For the chosen time intervals, use:

- one** map, on which you can add up to 20 words and as much drawing as you want, and
- one** page of explanation, on which you can use up to 200 words (but no drawing) to explain the main tectonic and volcanic activity of that chosen period in the western U.S. area.

Obviously, thinking clearly and being concise will be beneficial to you.